

DEC 06 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|   |   |                      |                         |
|---|---|----------------------|-------------------------|
| <b>In re United States Patent Application of:</b> | ) | <b>Docket No.:</b>   | <b>2771-546-CIP2</b>    |
| <b>Applicants:</b>                                | ) | <b>Conf. No.:</b>    | <b>2238</b>             |
| <b>Application No.:</b>                           | ) | <b>Art Unit:</b>     | <b>2122</b>             |
| <b>Date Filed:</b>                                | ) | <b>Examiner:</b>     | <b>Not Yet Assigned</b> |
| <b>Title:</b>                                     | ) | <b>Customer No.:</b> |                         |
| <b>APPARATUS AND PROCESS</b>                      | ) |                      |                         |
| <b>FOR SENSING FLUORO</b>                         | ) |                      |                         |
| <b>SPECIES IN</b>                                 | ) |                      |                         |
| <b>SEMICONDUCTOR</b>                              | ) |                      |                         |
| <b>PROCESSING SYSTEMS</b>                         | ) |                      |                         |

## **FACSIMILE TRANSMISSION CERTIFICATE**

**Fax No. (571) 273-8300**

I hereby certify that this document is being filed in the United States Patent and Trademark Office, via facsimile transmission to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on **December 6, 2005**, to United States Patent and Trademark Office facsimile transmission number **(571) 273-8300**.

3

Number of Pages (including cover)

**Kate Turner**

**December 6, 2005**

Date \_\_\_\_\_

**INFORMATION DISCLOSURE STATEMENT IN  
U.S. PATENT APPLICATION NO. 10/784,750**

**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**

**Sir:**

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO/SB/08A. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the

2771-546-CIP2

reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,



---

Steven J. Hultquist  
Reg. No. 28,021  
Attorney for Applicants

**INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW**  
Phone: (919) 419-9350  
Fax: (919) 419-9354  
Attorney File No.: 2771-546-CIP2

RECEIVED  
CENTRAL FAX CENTER

04:31:14 p.m.

12-06-2005

3 /3

DEC 0 6 2005

PTO/SB/08A (01-04)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                          |                   |
|--|--------------------------|-------------------|
| <b>INFORMATION<br/>DISCLOSURE STATEMENT<br/>BY APPLICANT</b><br><br>Sheet 1 of 1 | <b>COMPLETE IF KNOWN</b> |                   |
|  | Application Number       | 10/784,750        |
|  | Filing Date              | February 23, 2004 |
|  | First Named Inventor     | DIMEO JR., et al. |
|  | Art Unit                 | Unassigned        |
|  | Examiner Name            | Unassigned        |
|  | Attorney Docket Number   | 2771-546-CIP2     |

| U.S. PATENT DOCUMENTS |          |                 |                                |                          |  |
|-----------------------|----------|-----------------|--------------------------------|--------------------------|--|
| Examiner Initials*    | Cite No. | Document Number | Publication Date<br>MM-DD-YYYY | Issue Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document |
|                       | AN       | US-6,553,354    |                                | 05-13-2003               | HAUSNER, et al.                                    |
|                       | AO       | US-5,752,410    |                                | 05-19-1998               | BERNSTEIN, et al.                                  |
|                       | AP       | US-6,499,354    |                                | 12-31-2002               | NAJAFI, et al.                                     |
|                       | AQ       | US-5,827,952    |                                | 10-27-1998               | MANSURE, et al.                                    |
|                       | AR       | US-5,841,017    |                                | 11-24-1998               | BARAKET, et al.                                    |
|                       | AS       | US-6,468,642    |                                | 10-22-2002               | BRAY, et al.                                       |
|                       | AT       | US-4,662,212    |                                | 05-05-1987               | NOGUCHI, et al.                                    |
|                       | AU       | US-6,553,335    |                                | 04-22-2003               | HUANG, et al.                                      |
|                       |          | US-             |                                |                          |  |
|                       |          | US-             |                                |                          |  |
|                       |          | US-             |                                |                          |  |
|                       |          | US-             |                                |                          |  |
|                       |          | US-             |                                |                          |  |
|                       |          | US-             |                                |                          |  |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

<sup>1</sup> All the foreign patents and publications that are not written in English language are accompanied by their respective English abstracts, which constitute concise explanation of relevance of the non-English patents and publications that satisfy the requirements of 37 C.F.R. §1.98(a)(3)(i), according to MPEP 609 III A(3).